

ROBA NATH BASNET

DevOps Engineer | Blockchain Infrastructure | Full-Stack Developer

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PROFESSIONAL SUMMARY

Certified DevOps Engineer with 3+ years of production experience operating blockchain infrastructure, CI/CD pipelines, and cloud deployments for a Web3 company. GSDC Certified DevOps Engineer (scored 100%, 40/40). Currently own end-to-end deployment, monitoring, and incident response for blockchain infrastructure at ChainZeeper, including node operations, container orchestration, and multi-cloud infrastructure across AWS, DigitalOcean, and Vercel. Strong full-stack and mobile engineering background (Next.js, MERN, React Native) enables effective collaboration with product teams. Self-directed remote worker experienced in async-first distributed environments.

TECHNICAL SKILLS

Infrastructure & DevOps: CI/CD pipelines, Docker, Docker Compose, NGINX, Infrastructure as Code (IaC), Shell scripting, Bash, Linux system administration (Ubuntu, Debian), Windows Server, GitHub Actions, GitLab CI, Jenkins, Ansible

Cloud Platforms: AWS (EC2, S3, IAM, CloudWatch), DigitalOcean, Vercel, Google Cloud Platform (GCP) fundamentals

Blockchain & Web3: Production blockchain infrastructure operations, node deployment and operations, RPC endpoint management, smart contract deployment pipelines, EVM-compatible chains, DeFi protocols, blockchain security review, transaction monitoring

Monitoring & Reliability: Application monitoring, log aggregation, alerting, incident response, uptime management, SLA management

Programming & Frameworks: TypeScript, JavaScript (ES6+), Node.js, Python (scripting), PHP, Next.js, React, Express, React Native, Tailwind CSS, HTML5, CSS3

Databases: MongoDB, PostgreSQL, SQL, schema design, query optimization

Tools & Practices: Git, GitHub, code review, technical documentation, async communication, distributed team collaboration, Agile workflows

Currently Building Proficiency: Kubernetes, Terraform, Prometheus, Grafana, HashiCorp Vault

PROFESSIONAL EXPERIENCE

DevOps Engineer — ChainZeeper | Remote | Nov 2022 – Present

- Own end-to-end CI/CD orchestration for production blockchain infrastructure, including automated build, test, and deployment pipelines across staging and production environments.
- Operate and maintain blockchain node infrastructure with continuous uptime monitoring, ensuring reliable RPC endpoint availability for downstream applications and users.
- Design and maintain shell-based Infrastructure-as-Code for reproducible provisioning of production servers across AWS, DigitalOcean, and Vercel.
- Administer Docker and Docker Compose deployments with NGINX reverse proxy configuration, TLS termination, and access controls protecting production services.
- Lead incident response for production outages, perform root cause analysis, and implement permanent fixes to prevent recurrence.
- Collaborate cross-functionally with smart-contract and product engineering teams to ship features safely from development through to production deployment.
- Build internal full-stack tooling in Next.js and the MERN stack to support operations and improve internal developer experience.
- Write and maintain technical documentation enabling other team members to operate, troubleshoot, and extend the infrastructure I build.

Technical Advisor & QA Engineer — Weblaya Digital | Thimphu, Bhutan (Part-time) | Mar 2021 – Present

- Evaluate technology roadmaps, infrastructure decisions, and tooling choices for a leading Bhutanese SaaS and web hosting platform.
- Perform pre-release quality assurance covering functionality, uptime under load, security review, SEO validation, and automation tooling.
- Sign off on production releases against a documented quality checklist; flag and escalate issues that block release.
- Advise the engineering team on DevOps best practices, deployment patterns, and infrastructure improvements.

KEY PROJECTS

Production Blockchain Infrastructure (ChainZeeper)

- Deployed and operated multi-environment blockchain infrastructure (development, staging, production) supporting active Web3 application workloads.
- Implemented CI/CD pipelines that reduced manual deployment overhead and enabled multiple production deploys per week with rollback capability.
- Hardened production infrastructure security through NGINX configuration, IAM policy review, secrets management, and TLS termination.

Internal Full-Stack Tooling (ChainZeeper)

- Built internal dashboards in Next.js and the MERN stack to surface operational metrics and streamline routine engineering tasks.
- Designed REST APIs and MongoDB/PostgreSQL schemas supporting internal team workflows.

Cross-Platform Mobile Application Development

- Shipped cross-platform mobile applications using React Native, including App Store and Play Store submissions.
- Integrated mobile clients with backend APIs, authentication flows, and push notification services.

EDUCATION

Diploma in Computer Systems and Network — Jigme Namgyel Engineering College, Royal University of Bhutan

Jun 2020 – Jun 2022

- Graduated 1st in class with 80.57% (Outstanding performance rating).
- Recipient, Certificate of Academic Excellence — awarded to the top-performing graduate of the cohort.
- Core coursework: Computer Networks, Operating Systems, Database Systems, Programming Fundamentals, System Administration, Network Security.

CERTIFICATIONS

- Certified DevOps Engineer — Global Skill Development Council (GSDC), May 2026. Scored 100% (40/40). Certificate ID: 44648.
- IBM: DevOps Essentials, Shell Scripting, Git and GitHub Essentials.
- DigitalOcean: Cloud Platform Fundamentals.
- Udemy / Sololearn: TypeScript for Professionals, JavaScript ES6+, Web Development Masterclass.
- Blockchain Advanced Level, Blockchain Uses Beyond Applications, DeFi Protocols.
- 15+ additional professional certifications across DevOps, blockchain, web development, and system administration (2021–2025).

LANGUAGES

English (Fluent, Professional) | Dzongkha (Fluent, Professional)